

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-292636

(43)Date of publication of application : 05.11.1996

(51)Int.Cl. G03G 15/08  
G03G 15/08  
G03G 15/08

(21)Application number : 07-331331 (71)Applicant : NEC DATA TERMINAL LTD

(22)Date of filing : 20.12.1995 (72)Inventor : OISHI YASUSHI

(30)Priority

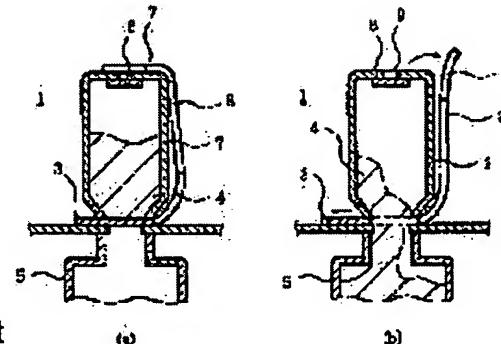
Priority number : 07 33626 Priority date : 22.02.1995 Priority country : JP

## (54) TONER SUPPLY MECHANISM

### (57)Abstract:

PURPOSE: To prevent an electrophotographic device and its periphery from being stained because of the flying of remaining or retaining toner in the case of detaching a cartridge for supplying toner after supplying the toner.

CONSTITUTION: This mechanism is constituted of a trunk part 2 and a shutter 3 which is opened/closed in the case of supplying the toner, and the toner 4 is stored in the inner part. A vent hole 9 to release air inside the cartridge for supplying toner 1 is formed at the upper part of the trunk part 2, and a filter 6 is attached to the hole 9. The filter 6 has a mesh smaller than the particle of the toner 4, and the toner 4 is prevented from flying outside the trunk part 2. Furthermore, a seal 7 for storage of the cartridge 1 is stuck to the upper part of the filter 6, and the seal 7 is connected to the shutter 3 via a ribbon 8. By pulling the shutter 3, the seal 7 is pulled and peeled.



**LEGAL STATUS**

[Date of request for examination] 20.12.1995

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 2806848

[Date of registration] 24.07.1998

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right] 24.07.2001

Copyright (C); 1998,2003 Japan Patent Office